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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/884,455

DATE: 03/01/2002
TIME: 15:25:19

Input Set : A:\223002010004.txt
Output Set: N:\CRF3\03012002\I884455.raw

4 <110> APPLICANT: Houghton, Michael
5 Choo, Oui-Lim
6 Kuo, George
8 <120> TITLE OF INVENTION: Hepatitis C virus protease
11 <130> FILE REFERENCE: 223002010004
13 <140> CURRENT APPLICATION NUMBER: 09/884,455
14 <141> CURRENT FILING DATE: 2001-06-18
16 <150> PRIOR APPLICATION NUMBER: 09/253,675
17 <151> PRIOR FILING DATE: 1999-02-18
19 <150> PRIOR APPLICATION NUMBER: 08/709,177
20 <151> PRIOR FILING DATE: 1996-09-06
22 <150> PRIOR APPLICATION NUMBER: 08/440,548
23 <151> PRIOR FILING DATE: 1995-05-12
25 <150> PRIOR APPLICATION NUMBER: 08/350,884
26 <151> PRIOR FILING DATE: 1994-12-06
28 <150> PRIOR APPLICATION NUMBER: 07/680,296
29 <151> PRIOR FILING DATE: 1991-04-04
31 <150> PRIOR APPLICATION NUMBER: 07/505,433
32 <151> PRIOR FILING DATE: 1990-04-04
34 <160> NUMBER OF SEQ ID NOS: 90
36 <170> SOFTWARE: FastSEQ for Windows Version 4.0
38 <210> SEQ ID NO: 1
39 <211> LENGTH: 202
40 <212> TYPE: PRT
41 <213> ORGANISM: Hepatitis C Virus
43 <220> FEATURE:
44 <223> OTHER INFORMATION: HCV protease
47 <400> SEQUENCE: 1
48 Arg Arg Gly Arg Glu Ile Leu Leu Gly Pro Ala Asp Gly Met Val Ser
49 1 5 10 15
50 Lys Gly Trp Arg Leu Leu Ala Pro Ile Thr Ala Tyr Ala Gln Gln Thr
51 20 25 30
52 Arg Gly Leu Leu Gly Cys Ile Ile Thr Ser Leu Thr Gly Arg Asp Lys
53 35 40 45
54 Asn Gln Val Glu Gly Glu Val Gln Ile Val Ser Thr Ala Ala Gln Thr
55 50 55 60
56 Phe Leu Ala Thr Cys Ile Asn Gly Val Cys Trp Thr Val Tyr His Gly
57 65 70 75 80
58 Ala Gly Thr Arg Thr Ile Ala Ser Pro Lys Gly Pro Val Ile Gln Met
59 85 90 95
60 Tyr Thr Asn Val Asp Gln Asp Leu Val Gly Trp Pro Ala Ser Gln Gly
61 100 105 110
62 Thr Arg Ser Leu Thr Pro Cys Thr Cys Gly Ser Ser Asp Leu Tyr Leu

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63 115 120 125
64 Val Thr Arg His Ala Asp Val Ile Pro Val Arg Arg Arg Gly Asp Ser
65 130 135 140
66 Arg Gly Ser Leu Leu Ser Pro Arg Pro Ile Ser Tyr Leu Lys Gly Ser
67 145 150 155 160
68 Ser Gly Gly Pro Leu Leu Cys Pro Ala Gly His Ala Val Gly Ile Phe
69 165 170 175
70 Arg Ala Ala Val Cys Thr Arg Gly Val Ala Lys Ala Val Asp Phe Ile
71 180 185 190
72 Pro Val Glu Asn Leu Glu Thr Thr Met Arg
73 195 200
75 <210> SEQ ID NO: 2
76 <211> LENGTH: 9
77 <212> TYPE: PRT
78 <213> ORGANISM: Hepatitis C Virus
80 <220> FEATURE:
81 <223> OTHER INFORMATION: HCV protease
83 <400> SEQUENCE: 2
84 Cys Trp Thr Val Tyr His Gly Ala Gly
85 1 5
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 9
89 <212> TYPE: PRT
90 <213> ORGANISM: Hepatitis C Virus
92 <220> FEATURE:
93 <223> OTHER INFORMATION: HCV protease
95 <400> SEQUENCE: 3
96 Asp Gln Asp Leu Gly Trp Pro Ala Pro
97 1 5
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 9
101 <212> TYPE: PRT
102 <213> ORGANISM: Hepatitis C Virus
104 <220> FEATURE:
105 <223> OTHER INFORMATION: HCV protease
107 <400> SEQUENCE: 4
108 Leu Lys Gly Ser Ser Gly Gly Pro Leu
109 1 5
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 9
113 <212> TYPE: PRT
114 <213> ORGANISM: Yellow Fever virus
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Yellow Fever virus protease
119 <400> SEQUENCE: 5
120 Phe His Thr Met Trp His Val Thr Arg
121 1 5
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 9

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125 <212> TYPE: PRT
126 <213> ORGANISM: Yellow Fever virus
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Yellow Fever virus protease
131 <400> SEQUENCE: 6
132 Lys Glu Asp Leu Val Ala Tyr Gly Gly
133 1 5
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 9
137 <212> TYPE: PRT
138 <213> ORGANISM: Yellow Fever virus
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Yellow Fever virus protease
143 <400> SEQUENCE: 7
144 Pro Ser Gly Thr Ser Gly Ser Pro Ile
145 1 5
147 <210> SEQ ID NO: 8
148 <211> LENGTH: 9
149 <212> TYPE: PRT
150 <213> ORGANISM: West Nile Fever virus
152 <220> FEATURE:
153 <223> OTHER INFORMATION: West Nile Fever virus protease
155 <400> SEQUENCE: 8
156 Phe His Thr Leu Trp His Thr Thr Lys
157 1 5
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 9
161 <212> TYPE: PRT
162 <213> ORGANISM: West Nile Fever virus
164 <220> FEATURE:
165 <223> OTHER INFORMATION: West Nile Fever virus protease
167 <400> SEQUENCE: 9
168 Lys Glu Asp Arg Leu Cys Tyr Gly Gly
169 1 5
171 <210> SEQ ID NO: 10
172 <211> LENGTH: 9
173 <212> TYPE: PRT
174 <213> ORGANISM: West Nile Fever virus
176 <220> FEATURE:
177 <223> OTHER INFORMATION: West Nile Fever virus protease
179 <400> SEQUENCE: 10
180 Pro Thr Gly Thr Ser Gly Ser Pro Ile
181 1 5
183 <210> SEQ ID NO: 11
184 <211> LENGTH: 9
185 <212> TYPE: PRT
186 <213> ORGANISM: Murray Valley virus
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Murray Valley virus protease

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191 <400> SEQUENCE: 11
192 Phe His Thr Leu Trp His Thr Thr Arg
193 1 5
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 9
197 <212> TYPE: PRT
198 <213> ORGANISM: Murray Valley virus
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Murray Valley virus protease
203 <400> SEQUENCE: 12
204 Lys Glu Asp Arg Val Thr Tyr Gly Gly
205 1 5
207 <210> SEQ ID NO: 13
208 <211> LENGTH: 9
209 <212> TYPE: PRT
210 <213> ORGANISM: Murray Valley virus
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Murray Valley virus protease
215 <400> SEQUENCE: 13
216 Pro Ile Gly Thr Ser Gly Ser Pro Ile
217 1 5
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 9
221 <212> TYPE: PRT
222 <213> ORGANISM: Kunjin virus
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Kunjin virus protease
227 <400> SEQUENCE: 14
228 Phe His Thr Leu Trp His Thr Thr Lys
229 1 5
231 <210> SEQ ID NO: 15
232 <211> LENGTH: 9
233 <212> TYPE: PRT
234 <213> ORGANISM: Kunjin virus
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Kunjin virus protease
239 <400> SEQUENCE: 15
240 Lys Glu Asp Arg Leu Cys Tyr Gly Gly
241 1 5
243 <210> SEQ ID NO: 16
244 <211> LENGTH: 9
245 <212> TYPE: PRT
246 <213> ORGANISM: Kunjin virus
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Kunjin virus protease
251 <400> SEQUENCE: 16
252 Pro Thr Gly Thr Ser Gly Ser Pro Ile
253 1 5
255 <210> SEQ ID NO: 17

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Input Set : A:\223002010004.txt
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256 <211> LENGTH: 5
257 <212> TYPE: PRT
258 <213> ORGANISM: S. griseus A
260 <220> FEATURE:
261 <223> OTHER INFORMATION: S. griseus A protease
263 <400> SEQUENCE: 17
264 Thr Ala Gly His Cys
265 1 5
267 <210> SEQ ID NO: 18
268 <211> LENGTH: 7
269 <212> TYPE: PRT
270 <213> ORGANISM: S. griseus A
272 <220> FEATURE:
273 <223> OTHER INFORMATION: S. griseus A protease
275 <400> SEQUENCE: 18
276 Asn Asn Asp Tyr Gly Ile Ile
277 1 5
279 <210> SEQ ID NO: 19
280 <211> LENGTH: 7
281 <212> TYPE: PRT
282 <213> ORGANISM: S. griseus A
284 <220> FEATURE:
285 <223> OTHER INFORMATION: S. griseus A protease
287 <400> SEQUENCE: 19
288 Gly Asp Ser Gly Gly Ser Leu
289 1 5
291 <210> SEQ ID NO: 20
292 <211> LENGTH: 5
293 <212> TYPE: PRT
294 <213> ORGANISM: Myxobacter 495
296 <220> FEATURE:
297 <223> OTHER INFORMATION: alpha-Lytic protease
299 <400> SEQUENCE: 20
300 Thr Ala Gly His Cys
301 1 5
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 7
305 <212> TYPE: PRT
306 <213> ORGANISM: Myxobacter 495
308 <220> FEATURE:
309 <223> OTHER INFORMATION: alpha-Lytic protease
311 <400> SEQUENCE: 21
312 Gly Asn Asp Arg Ala Trp Val
313 1 5
315 <210> SEQ ID NO: 22
316 <211> LENGTH: 7
317 <212> TYPE: PRT
318 <213> ORGANISM: Myxobacter 495
320 <220> FEATURE:

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/884,455

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